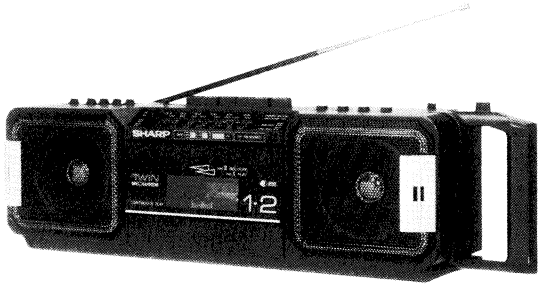
SHARP SERVICE MANUAL

S1608WQT281ZK



WQ-T281Z(BK)

In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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SHARP CORPORATION

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SPECIFICATIONS

GENERAL

Power source:	AC 110–127 V and 220–240 V, 50/60 Hz DC 15 V (UM/SUM-2 or R14 type x 10)
Speakers:	10 cm woofer x 2 Horn type tweeter x 2
Output power:	PMPO; 60 W (30 W + 30 W) (AC operation) MPO; 24 W (12 W + 12 W) (AC operation) RMS; 15 W (7.5 W + 7.5 W) (DC operation, 10% distortion)
Input impedance:	External mic; 600 ohms Line in; 50 kohms
Loaded impedance:	Headphones; 32 ohms or greater
Dimensions:	Width; 440 mm Height; 135 mm Depth; 144 mm
Weight:	4.0 kg without batteries

TAPE RECORDER

Tape:	Compact cassette tape
Frequency response:	50 Hz – 14,000 Hz (normal tape)
Signal/noise ratio:	55 dB (Deck 1, playback) 50 dB (Deck 2, normal tape recording)
Wow and flutter:	0.17% (WRMS)

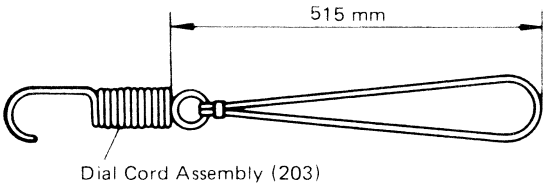
RADIO

Frequency range:	FW; 87.6 – 108 MHz SW_1; 2.3 – 7.3 MHz SW_2; 7.3 – 22 MHz AM; 526.5 – 1,606.5 kHz

Specifications for this model are subject to change without prior notice.

STRINGING OF DIAL CORD

1. Turn the drum fully in the direction (A) shown in Fig. 2–2 and stretch its cord over the parts in the numerical order.
2. Then turn the tuning control shaft fully in the direction (B) shown in Fig. 2–2 and fix its pointer as shown in Fig. 2–1.



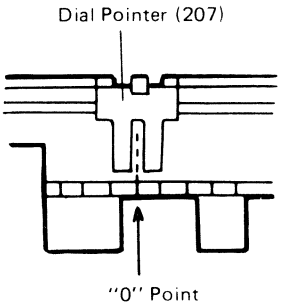


Figure 2–1

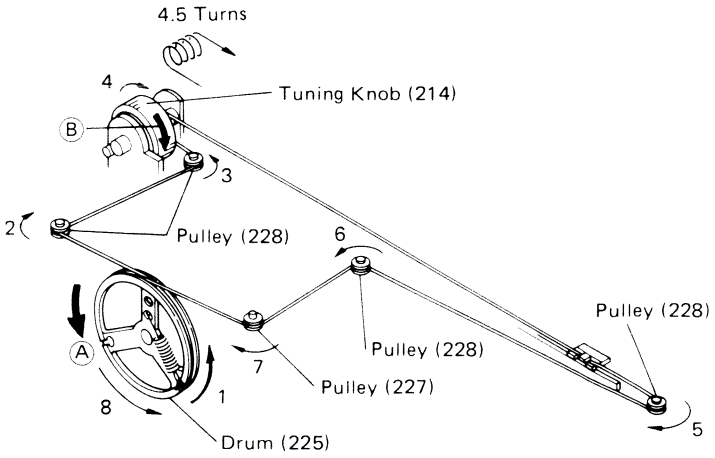


Figure 2–2

NAMES OF PARTS

1. Volume Control
2. Graphic Equalizer Controls
3. Mechanism Mode Switch
4. Headphones Socket
5. Beat Cancel Switch
6. Line Input Sockets
7. External Microphone Socket
8. Built-in Microphone
9. FM/SW_1/SW_2 Telescopic Rod Antenna
10. Band Selector Switch
11. Deck 2) Pause Button
12. Deck 1/2) Stop/Eject Button
13. Deck 2) Fast Forward Button
14. Deck 2) Rewind Button
15. Deck 1/2) Cassette Compartment
16. Tape Mode Indicators
17. Power Indicator
18. FM Stereo Indicator
19. Deck 1/2) Play Button
20. Deck 2) Record Button
21. Function Selector Switch
22. Tape Selector Switch
23. Dubbing Speed Selector Switch
24. FM Mode Switch
25. Fine Tuning Control
26. Tuning Control
27. Battery Compartment
28. AC Power Supply Socket

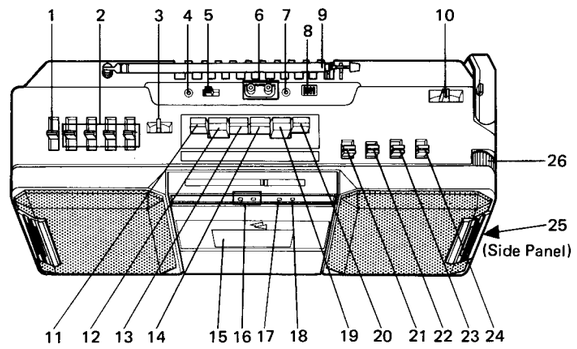


Figure 3–1

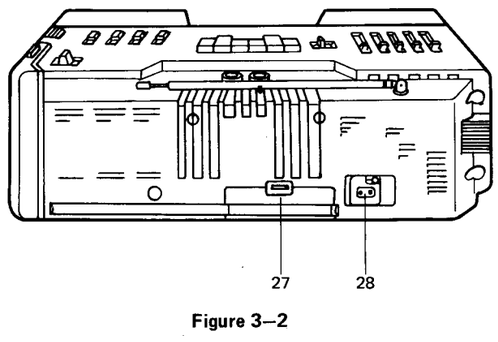


Figure 3–2

VOLTAGE SELECTION

Before operating the unit on mains, check the preset voltage. If the voltage is different from your local voltage, adjust the voltage as follows: Slide the AC power supply socket cover by slightly loosing the screw to the visible indication of the side of your local voltage.

NEW FUNCTION

- **Twin Mechanism**
  In the twin mechanism of this unit, only playback will function for Deck 1 (outer slot); and recording, playback, fast forward, rewind, pause and the APSS will function for Deck 2 (inner slot).
- **Mechanism MODE switch**
  Before operating Deck 1 or Deck 2, set the mechanism MODE switch to the position corresponding to the desired type of operation.

Function	Set position of mechanism MODE switch	Description
Playback of Deck 1	[1]	It is possible to operate the PLAY ◂ button of Deck 1 alone.
Playback of Deck 2	[2]	Recording, playback, fast forward, rewind, pause and APSS will function for Deck 2.
Continuous playback	CONT PLAY [1] → [2]	It is possible to operate the PLAY ◂ button of Deck 1 alone. When Deck 1 reaches the end of the tape, the mechanism MODE switch will automatically change to the [2] position and Deck 2 will begin playback.
Dubbing	DUBBING	Dubbing will function for both Deck 1 and Deck 2; fast forward, rewind and pause will function for Deck 1. When only the PLAY ◂ button is depressed, Deck 2 is played back and the APSS will function: at the time, the tape of Deck 1 is rewound although it produces no sound. When the PAUSE ❚❚ button is depressed during the dubbing, Deck 2 is put in PAUSE mode while Deck 1 remains in playback.

Caution:

1. While the mechanism MODE switch is set to either the CONT PLAY [1] → [2] position or the [1] position, the F FWD ◂◂, REWIND ▸▸, and RECORD ● buttons cannot be depressed; forcing these buttons could cause a malfunction.

2. The position of the mechanism MODE switch cannot be changed while either only the PLAY ◂ button or the RECORD ● button is depressed: forcing the switch could cause a malfunction.

DISASSEMBLY

Caution on Disassembly
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep its safety and excellent performance:

1. Take cassette tape out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit and remove the batteries from the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.
4. Take sufficient care on static electricity of integrated circuits and other circuits when servicing.

STEP	REMOVAL	PROCEDURE	FIGURE
1	Front cabinet	1. Battery compartment . .(A) 2. Screw. . . . . .(B)x8 3. Open the cassette holder	5–1
		4. Socket . . . . . .(C)x1	5–2
2	Mechanism	1. Screw. . . . . .(D)x1 2. Mechanism mode lever . .(E)	5–2
		3. Socket . . . . . .(F)x3	5–3
3	Frame (with P.W. Board)	1. Screw. . . . . .(G)x7	5–2, 3
		2. Battery case . . . . . .(H) 3. Shield plate . . . . . .(I)x1 4. Tip . . . . . .(J)x1 5. Socket . . . . . .(K)x1	5–3
4	Handle	1. Stopper. . . . . .(L) 2. "E" Ring. . . . . .(M) 3. Screw. . . . . .(N)x4 4. Handle cover. . . . . .(O) *1	5–4

*1 Keep horizontal the handle as shown in Fig. 5–4, and remove it in the numerical order.

• Cautions on reassembly

1. For reassembly of the mechanism, be sure, beforehand, to arrange the head's leads, 11-pin connector's leads and 2-pin connector's leads (from the power PWB) so that they won't be entangled with the motor belt and record lever.
2. When attaching the front cabinet, keep the PLAY ◂ button depressed to avoid entanglement of the mechanism leads with the cabinet.

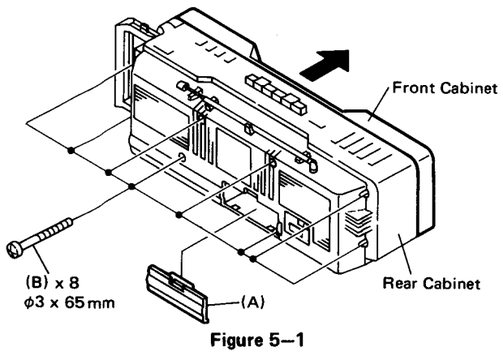


Figure 5–1

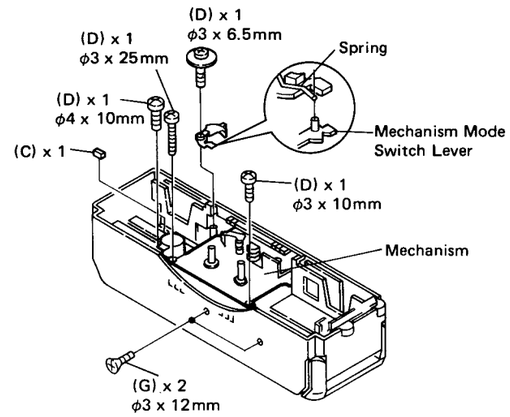


Figure 5–2

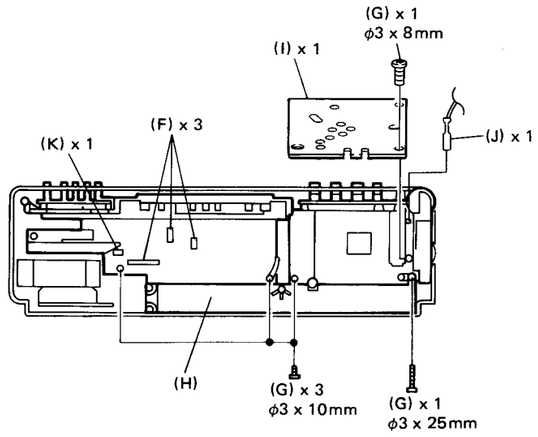


Figure 5–3

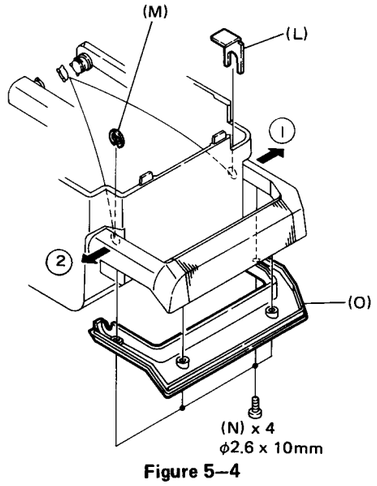


Figure 5–4

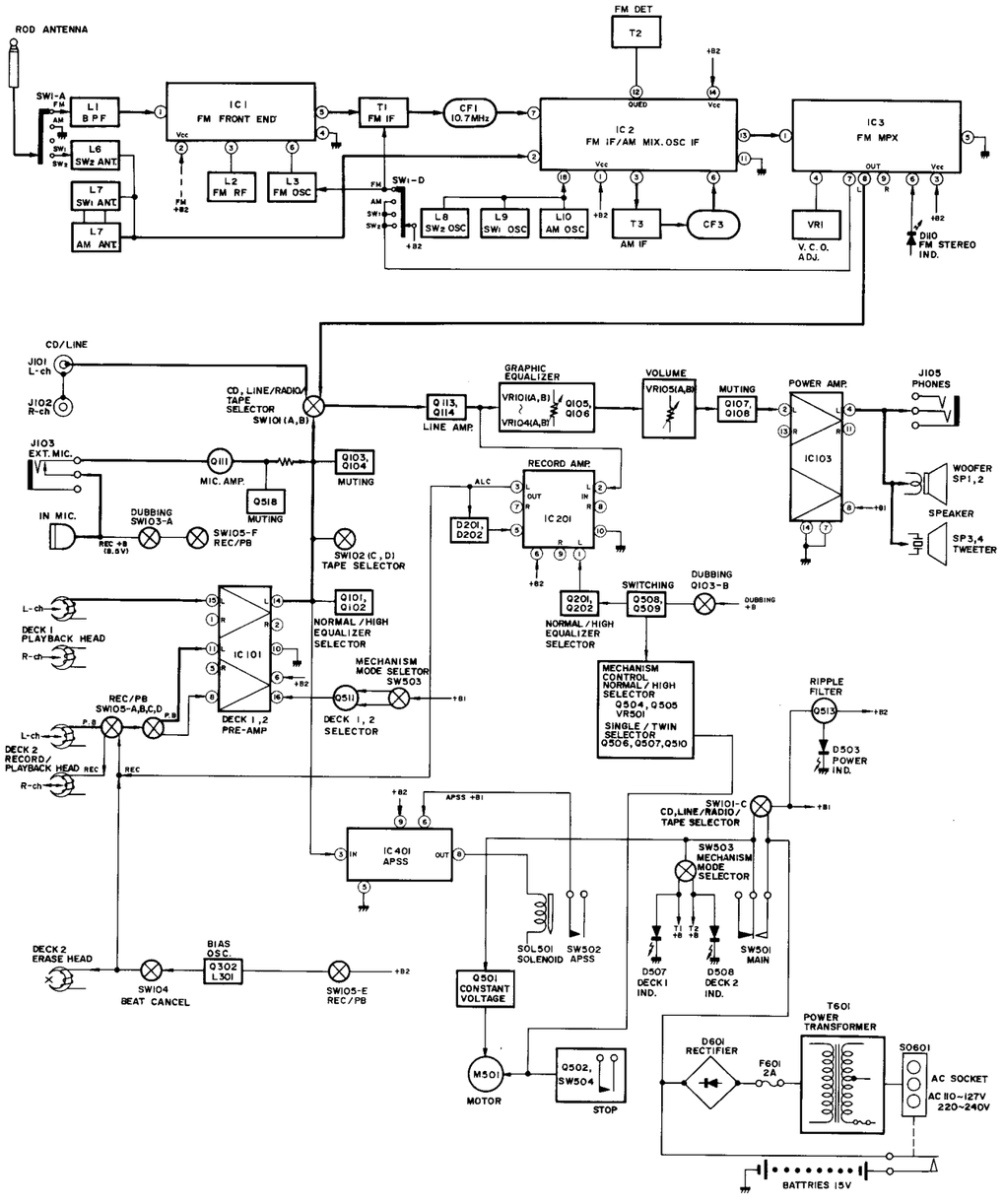


Figure 6 BLOCK DIAGRAM

MECHANICAL ADJUSTMENT

ITEM	JIG	ADJUSTMENT POINTS	REMARKS (CHECK)
Driving power	Tape tention measuring cassette TW-2412	———	(More than 140 g)
Torque	Torque meter Play TW-2111 Fast-forward TW-2231 Rewind TW-2231	———	Deck 1 (Play: 35 – 60 g-cm) Deck 2 (Play: 30 – 65 g-cm) Deck 2 (Fast-forward: 80 – 135 g-cm) Deck 2 (Rewind: 80 – 135 g-cm)
Azimuth	Test tape MTT-114	Azimuth adjusting screw	*1 Sine waveform attains the maximum.
Tape speed	Test tape MTT-111	High speed (Short TP501, TP502 and Ground) Normal speed VR501	High speed Deck 2 (6,000 ± 300 Hz) Normal speed Deck 2 3,000 ± 100 Hz

*1. For the azimuth adjustment, be sure to use the azimuth adjustment hole which is located under the cassette holder cover.

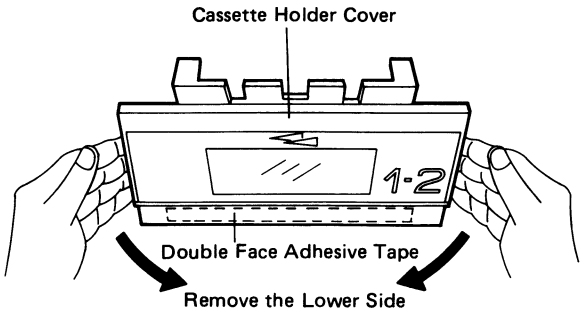


Figure 7–1 REMOVE THE CASSETTE HOLDER COVER

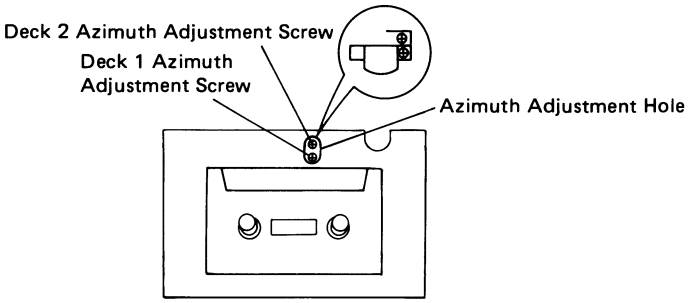


Figure 7–2 AZIMUTH POINTS

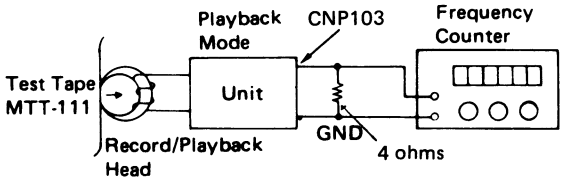


Figure 7–4 TAPE SPEED

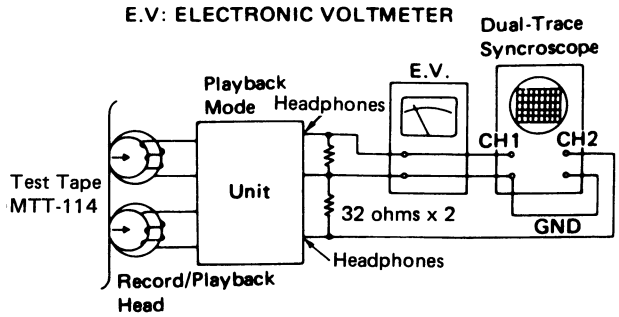


Figure 7–3 AZIMUTH

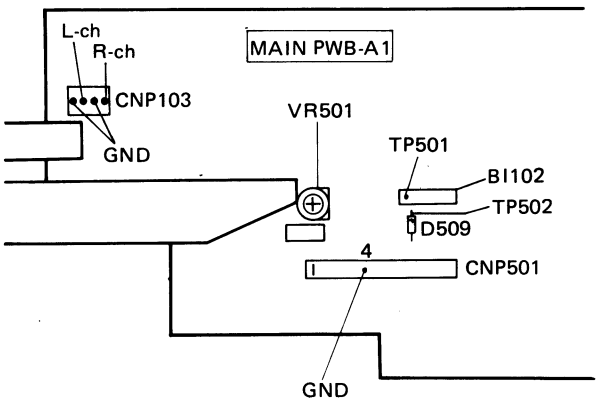


Figure 7–5 ADJUSTMENT POINTS

CIRCUIT ADJUSTMENT (AUDIO SECTION)

SETTING POSITION OF SWITCH AND KNOB	• Tape selector switch: Normal • Volume control: Maximum • Graphic equalizer controls: Center • Function selector switch: Tape • Beat cancel switch: A		
ITEM	**INPUT**	**ADJUST-MENT POINT**	**REMARKS (CHECK)**
BIAS OSCILLATION FREQUENCY	———	———	(A = 98 ± 4 kHz) (B = 104 ± 1.5 kHz) (C = 108 ± 2 kHz)
ERASE CURRENT	———	———	(Normal: 60 ± 10 mV)
PLAYBACK AMPLIFIER SENSITIVITY	Test tape MTT-118	———	(2.0 V ± 3 dB)

E.V: ELECTRONIC VOLTMETER

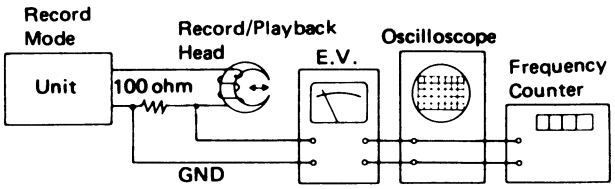


Figure 8–1 BIAS OSCILLATION FREQUENCY

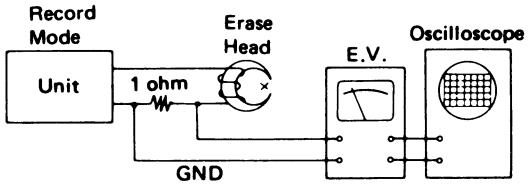


Figure 8–2 ERASE CURRENT

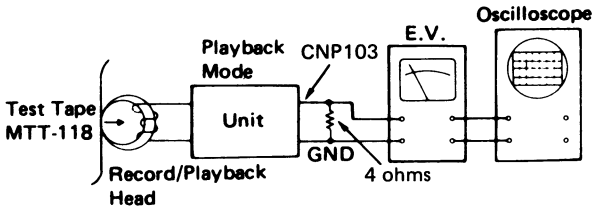


Figure 8–3 PLAYBACK AMPLIFIER SENSITIVITY

TEST TAPES FOR MEASUREMENT

COMPACT CASSETTE TYPE

TITLE	MODEL	FREQUENCY/ LEVEL	APPLICATION
FLUTTER	MTT-111	3 kHz, −10 dB	Tape speed, Wow and flutter check
AZIMUTH	MTT-113 MTT-113C MTT-114	6.3 kHz, −10 dB 8 kHz, −10 dB 10 kHz, −10 dB	Head azimuth adjustment
DISTORTION	MTT-118	1 kHz, −10 dB	Distortion check level adjustment
DOLBY LEVEL CALIBRATION	MTT-150	Dolby B-Type Tone 200 nwb/m	Dolby NR B-type level adjustment
BLANK	MTT-502	———	Record frequency check

TORQUE METER FOR COMPACT CASSETTE

MODEL	MEASUREMENT RANGE	APPLICATION
TW-2111	10 – 100 g-cm	Normal : Playback torque
	1.5 – 10 g-cm	Normal : Back-tension
TW-2121	10 – 100 g-cm	Reverse : Playback torque
	1.5 – 10 g-cm	Reverse : Back tension
TW-2231	30 – 200 g-cm	Fast-forward, Rewind torque
TW-2412	0 – 300 g	Normal : Driving power
TW-2422	0 – 300 g	Reverse : Driving power

CIRCUIT ADJUSTMENT (TUNER SECTION)

AM IF/RF ADJUSTMENT

SWITCH POSITION		Volume Control: Maximum Function Selector: Radio			
SIGNAL GENERATOR		400 Hz, 30%, AM modulated			
STEP	TEST STAGE	FRE-QUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
AM IF					
1	IF	455 kHz	High frequency	T3	Adjust for best "IF" curve.
AM RF					
2	Band coverage	510 kHz	Lowest frequency	L10	Adjust for maximal output.
3		1,650 kHz	Highest frequency	TC8	
4	Repeat steps 2 and 3 until no further improvement can be made.				
5	Tracking	600 kHz	600 kHz	L7	Adjust for maximal output.
6		1,400 kHz	1,400 kHz	TC5	
7	Repeat steps 5 and 6 until no further improvement can be made.				
SW1 RF					
8	Band coverage	2.25 MHz	Lowest frequency	L9	Adjust for maximal output.
9		7.4 MHz	Highest frequency	TC7	
10	Repeat steps 8 and 9 until no further improvement can be made.				
11	Tracking	2.6 MHz	2.6 MHz	L7	Adjust for maximal output.
12		6.0 MHz	6.0 MHz	TC4	
13	Repeat steps 11 and 12 until no further improvement can be made.				
SW2 RF					
14	Band coverage	7.2 MHz	Lowest frequency	L8	Adjust for maximal output.
15		22.5 MHz	Highest frequency	TC6	
16	Repeat steps 14 and 15 until no further improvement can be made.				
17	Tracking	8.5 MHz	8.5 MHz	L6	Adjust for maximal output.
18		19 MHz	19 MHz	TC3	
19	Repeat steps 17 and 18 until no further improvement can be made.				

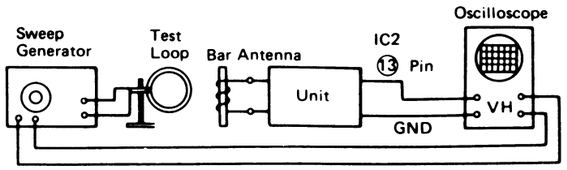


Figure 9–1 AM IF

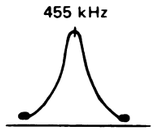


Figure 9–2 AM IF CURVE

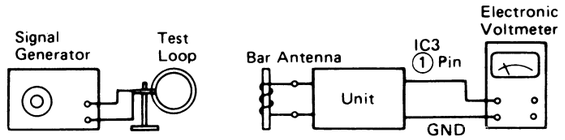


Figure 9–3 AM RF

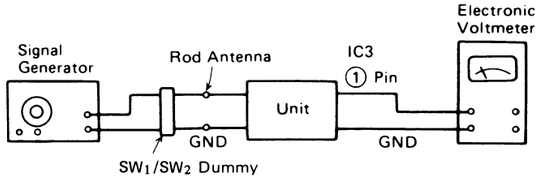


Figure 9–4 SW_1/SW_2 RF

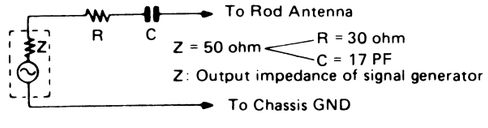


Figure 9–5 SW_1/SW_2 DUMMY

FM IF/RF ADJUSTMENT

SWITCH POSITION		Function Selector: Radio Band Selector: FM Mode Selector: Stereo Volume Control: Maximum			
SIGNAL GENERATOR		400 Hz, 30%, FM modulated			
STEP	TEST STAGE	FRE-QUENCY	DIAL POINTER SETTING	AD-JUST-MENT	REMARKS
1	IF	10.7 MHz	High frequency	T1	1. Using a minus driver, turn the core of T2 counterclockwise before taking it out of the bobbin. 2. Adjust for best "IF" curve.
2	Detection			T2	Adjust for best "S" curve.
3	Repeat steps 1 and 2 until no further improvement can be made.				
4	Band coverage	87.1 MHz	Lowest frequency	L3	Adjust for maximal output.
5		109 MHz	Highest frequency	TC2	
6	Repeat steps 4 and 5 until no further improvement can be made.				
7	Tracking	88 MHz	88 MHz	L2	Adjust for maximal output.
8		108 MHz	108 MHz	TC1	
9	Repeat steps 7 and 8 until no further improvement can be made.				

VCO FREQUENCY ADJUSTMENT

SIGNAL GENERATOR	400 Hz, 30%, FM modulated (mono signal)		
FREQUENCY	DIAL POINTER SETTING	ADJUST-MENT	REMARKS
FM mono position		FM stereo position (unmodulated)	
98 MHz at 54 dB	98 MHz	VR1	Adjust for 38 kHz ± 100 Hz.

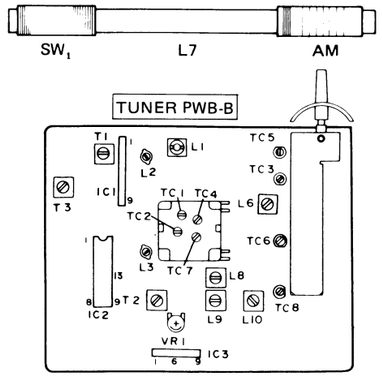


Figure 10–7 ADJUSTMENT POINTS

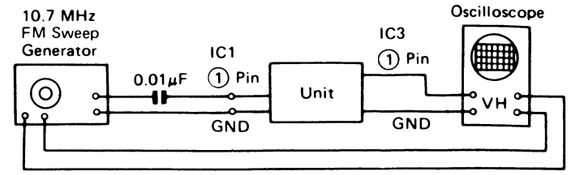


Figure 10–1 FM IF

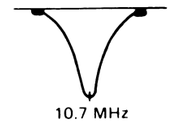


Figure 10–2 FM IF CURVE

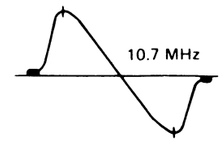


Figure 10–3 FM S CURVE

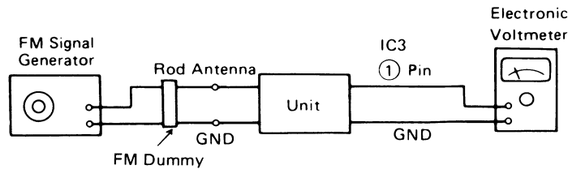


Figure 10–4 FM RF

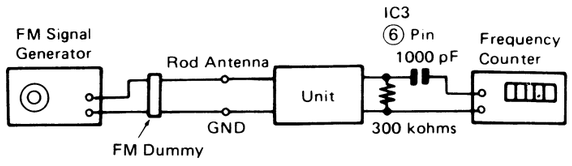


Figure 10–5 VCO FREQUENCY

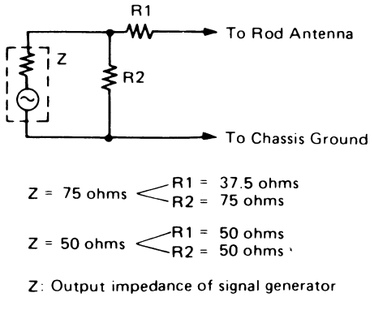
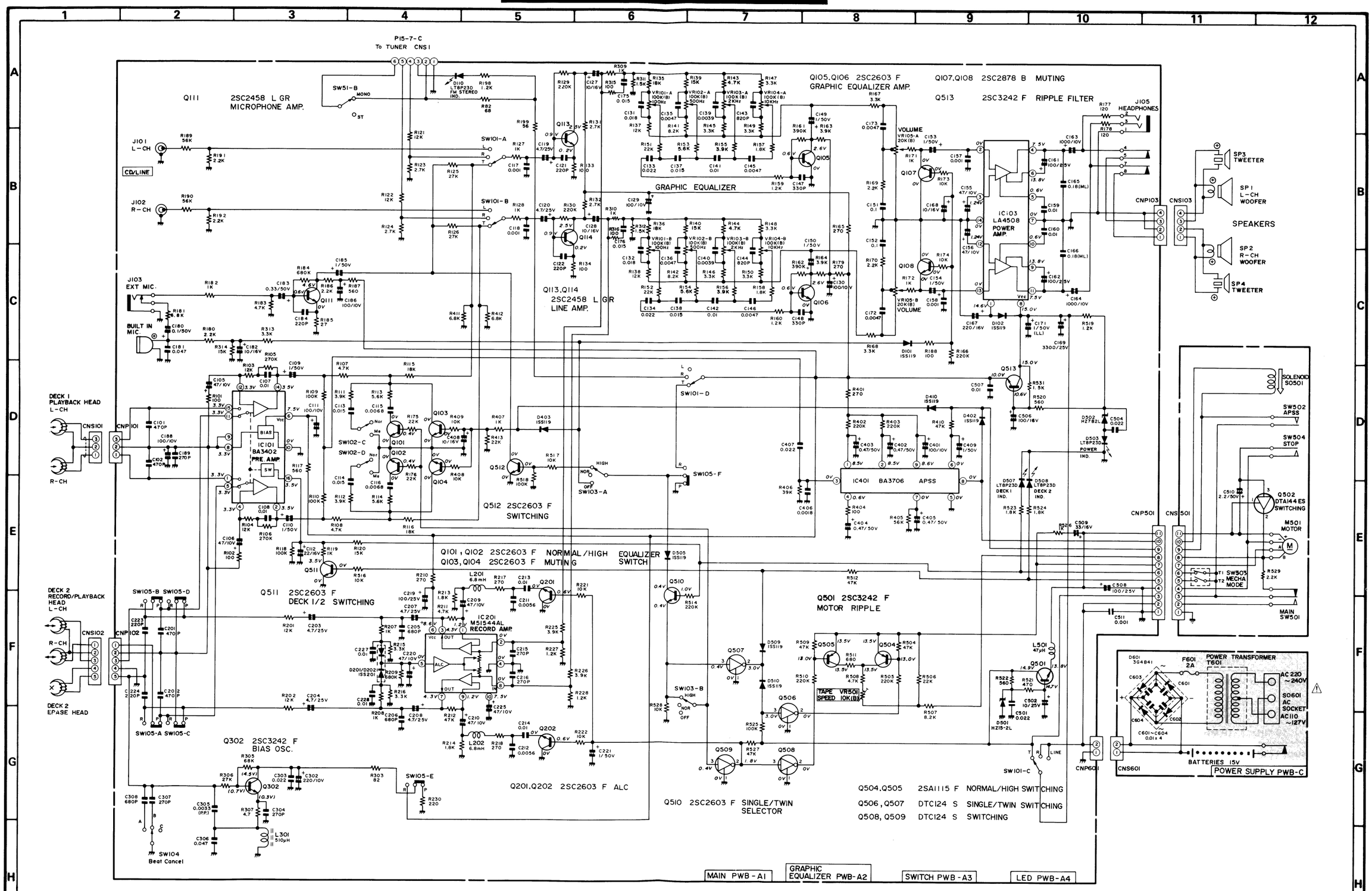


Figure 10–6 FM DUMMY



• NOTES ON SCHEMATIC DIAGRAM can be found on page 17.

Figure 11 SCHEMATIC DIAGRAM

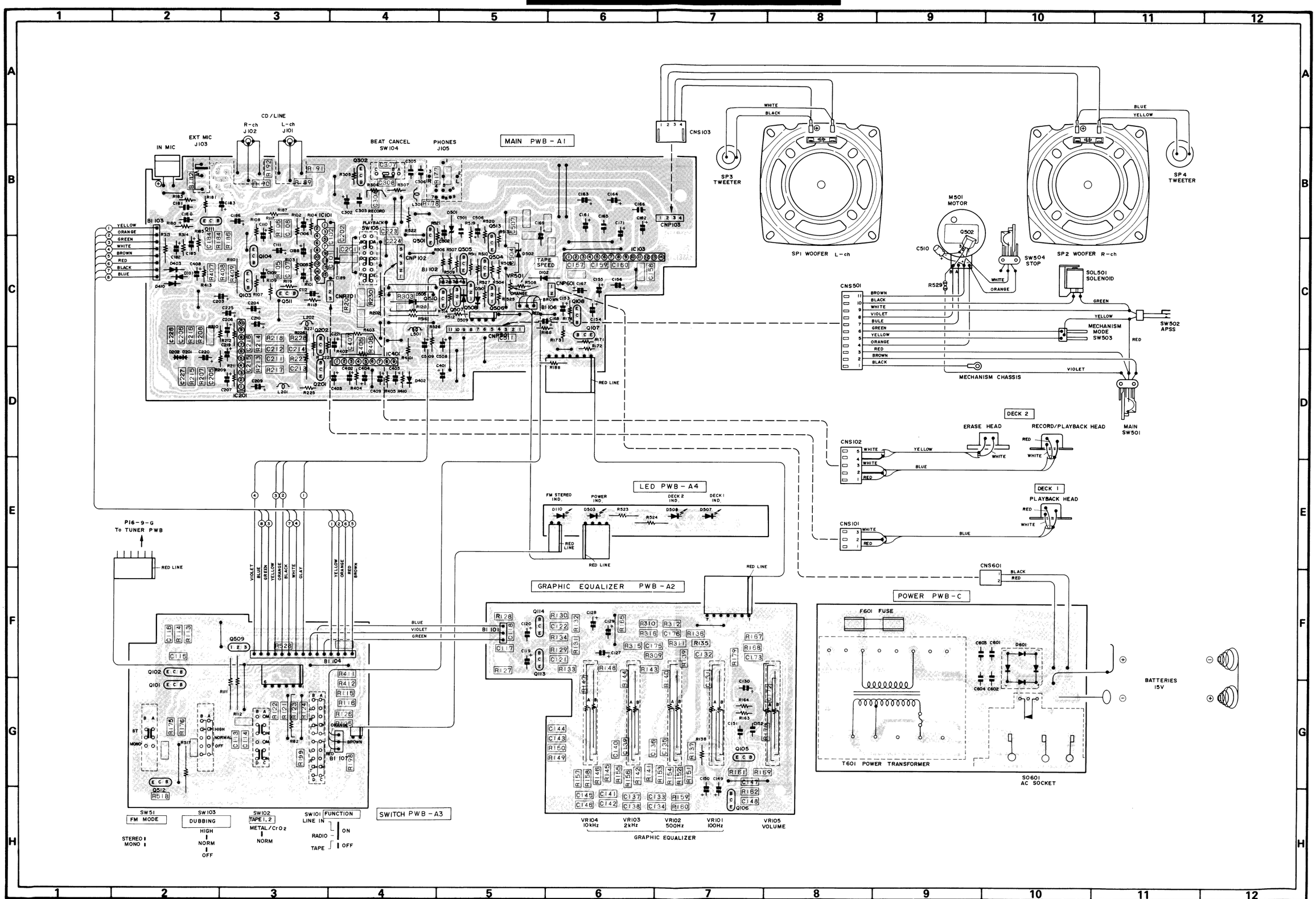
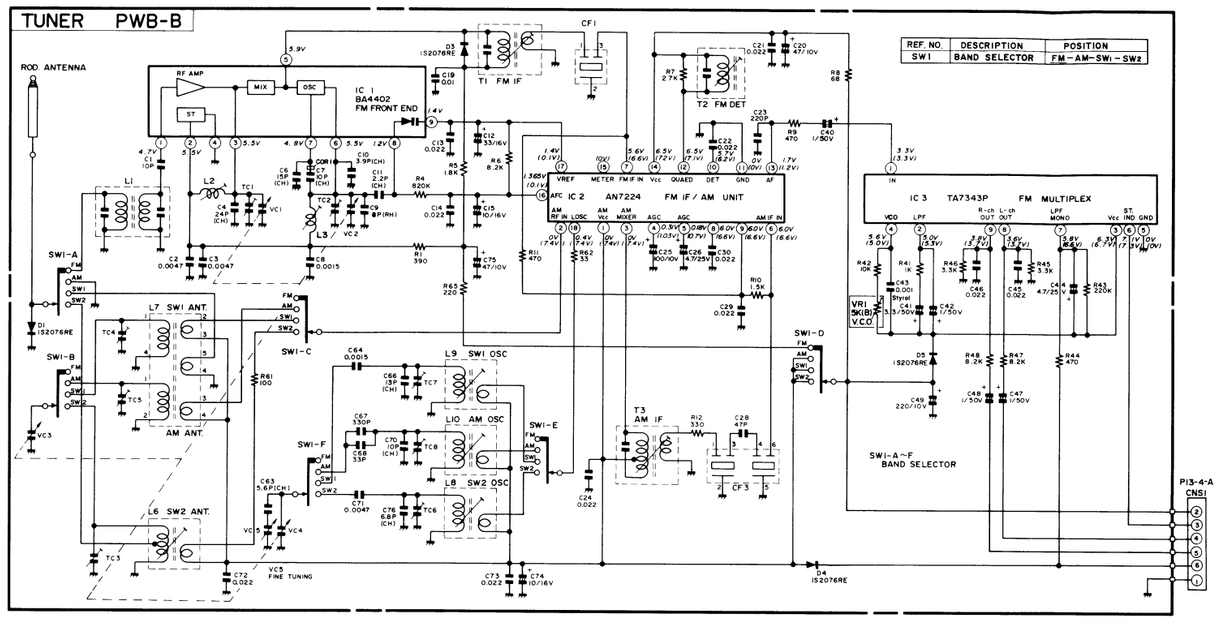
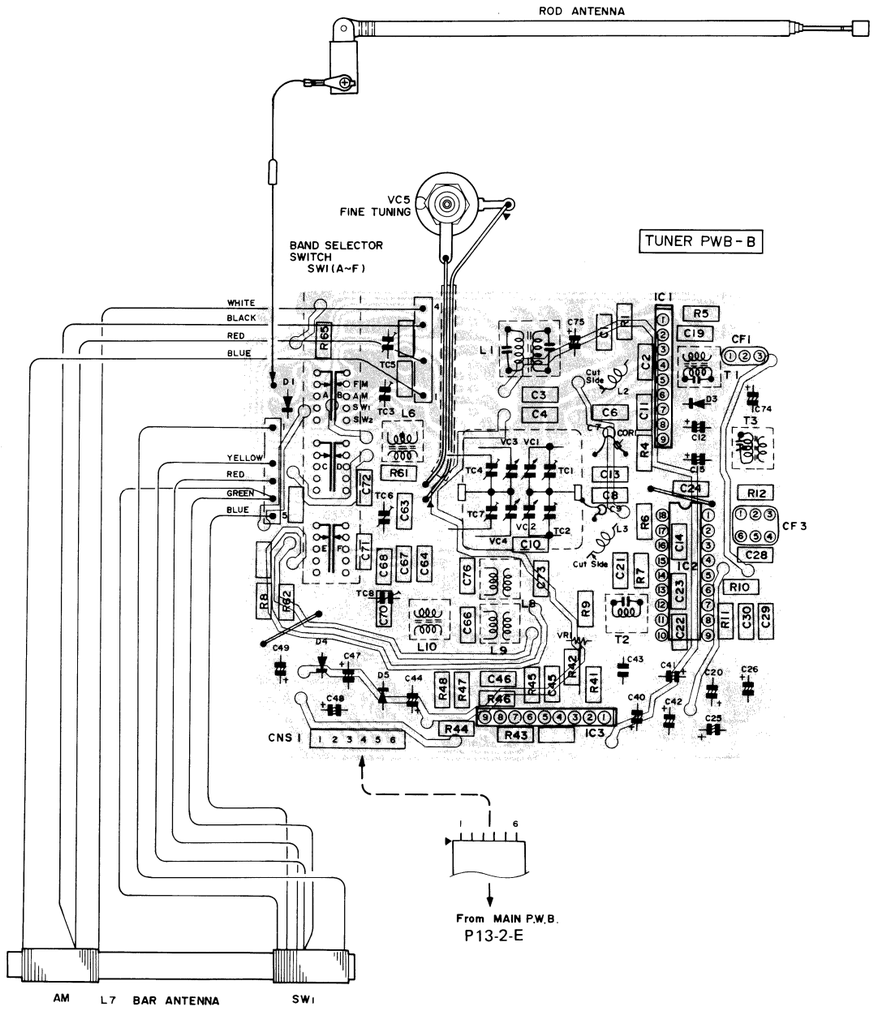


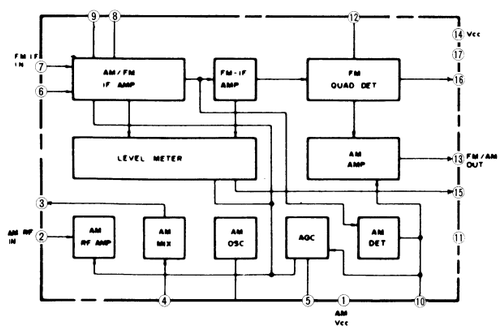
Figure 13 WIRING SIDE OF P.W. BOARD



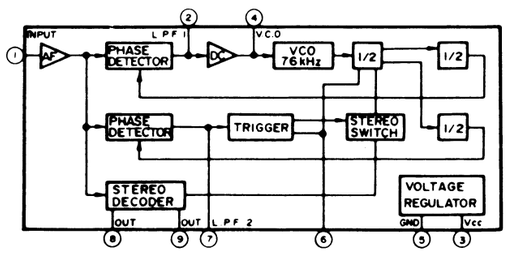
REF. NO.	DESCRIPTION	POSITION
SW1	BAND SELECTOR	FM–AM–SW1–SW2



AN7224



TA7343AP



● NOTES ON SCHEMATIC DIAGRAM can be found on page 17.

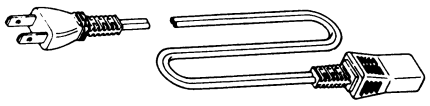
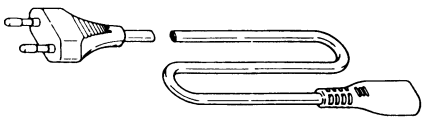
Figure 15 SCHEMATIC DIAGRAM AND WIRING SIDE OF P.W. BOARD

NOTES ON SCHEMATIC DIAGRAM

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means micro-micro-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression "capacitance/withstand voltage" is used.
  (CH), (RH), (TH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.
  ( ): AM mode
  Marking except for ( ): FM stereo mode
- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- Parts marked with "⚠" ( ) are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF. NO.	DISCRIPTION	POSITION
SW1	BAND SELECTOR	SW_2 – SW_1 – AM – FM
SW51	FM MODE	STEREO – MONO
SW101	FUNCTION SELECTOR	CD/LINE IN/ON – RADIO/ON – TAPE/OFF
SW102	TAPE SELECTOR	METAL/CrO_2 – NORMAL
SW103	DUBBING SPEED SELECTOR	HIGH – NORMAL – OFF
SW104	BEAT CANCEL	A – B – C
SW105	RECORD/PLAYBACK	RECORD – PLAYBACK
SW501	MAIN	ON – OFF
SW502	APSS	ON – OFF
SW503	MECHANISM MODE	CONT PLAY – 2 – 1 – DUBBING
SW504	STOP	ON – OFF

AC POWER SUPPLY CORD

QACCZ0059AF00	QACCZ0060AF00
	

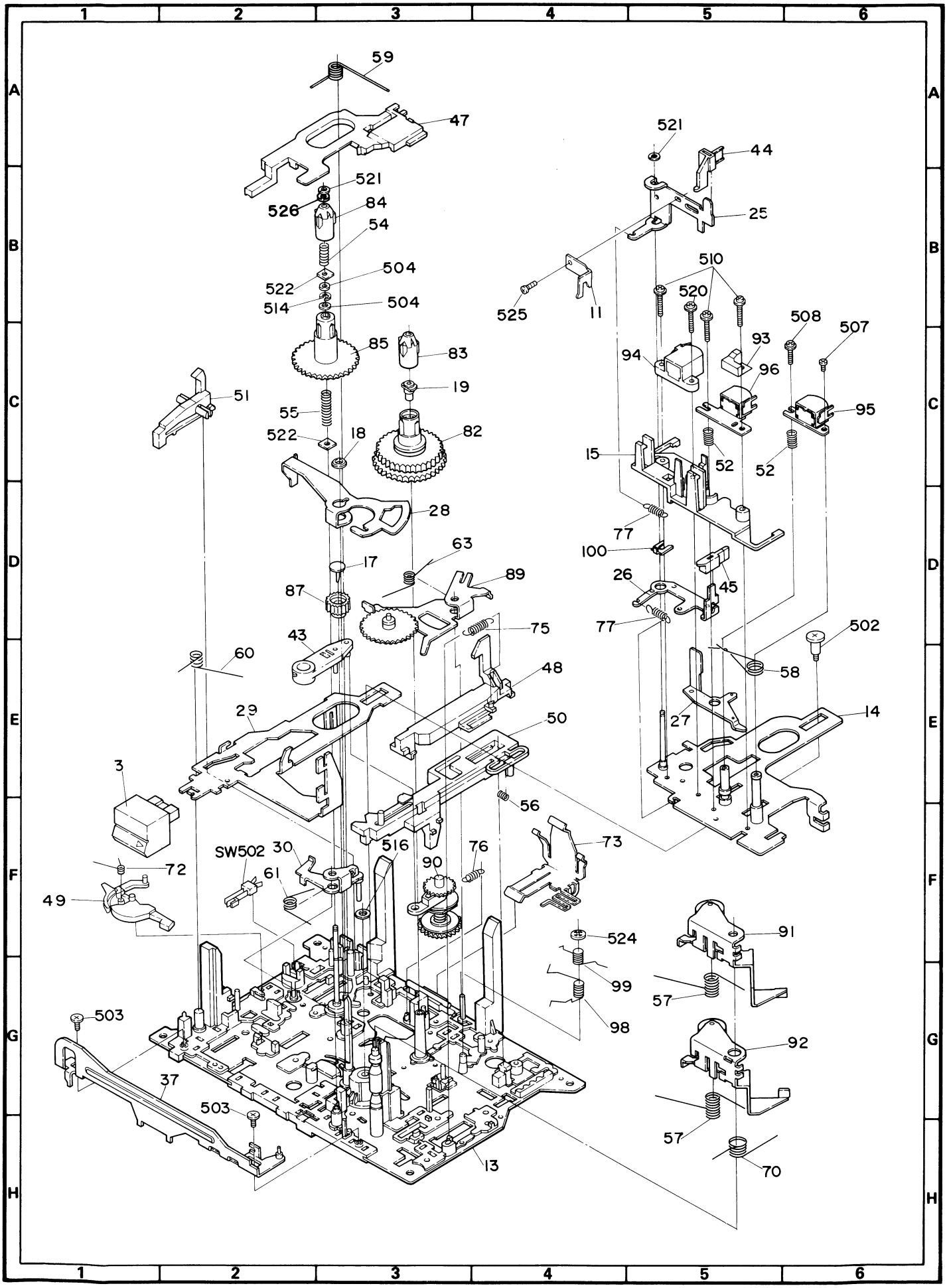


Figure 18 MECHANISM EXPLODED VIEW (TOP)

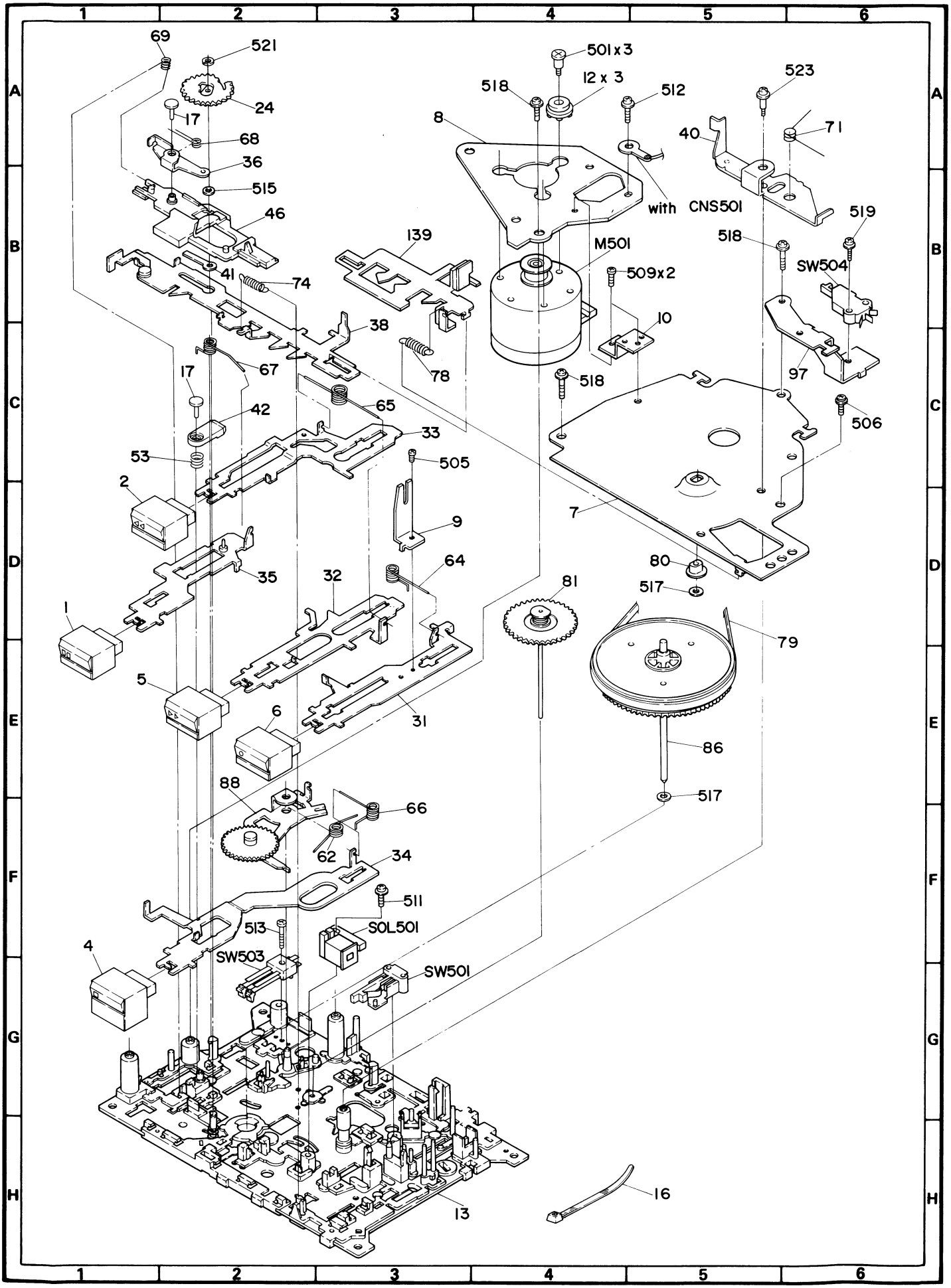


Figure 19 MECHANISM EXPLODED VIEW (BOTTOM)

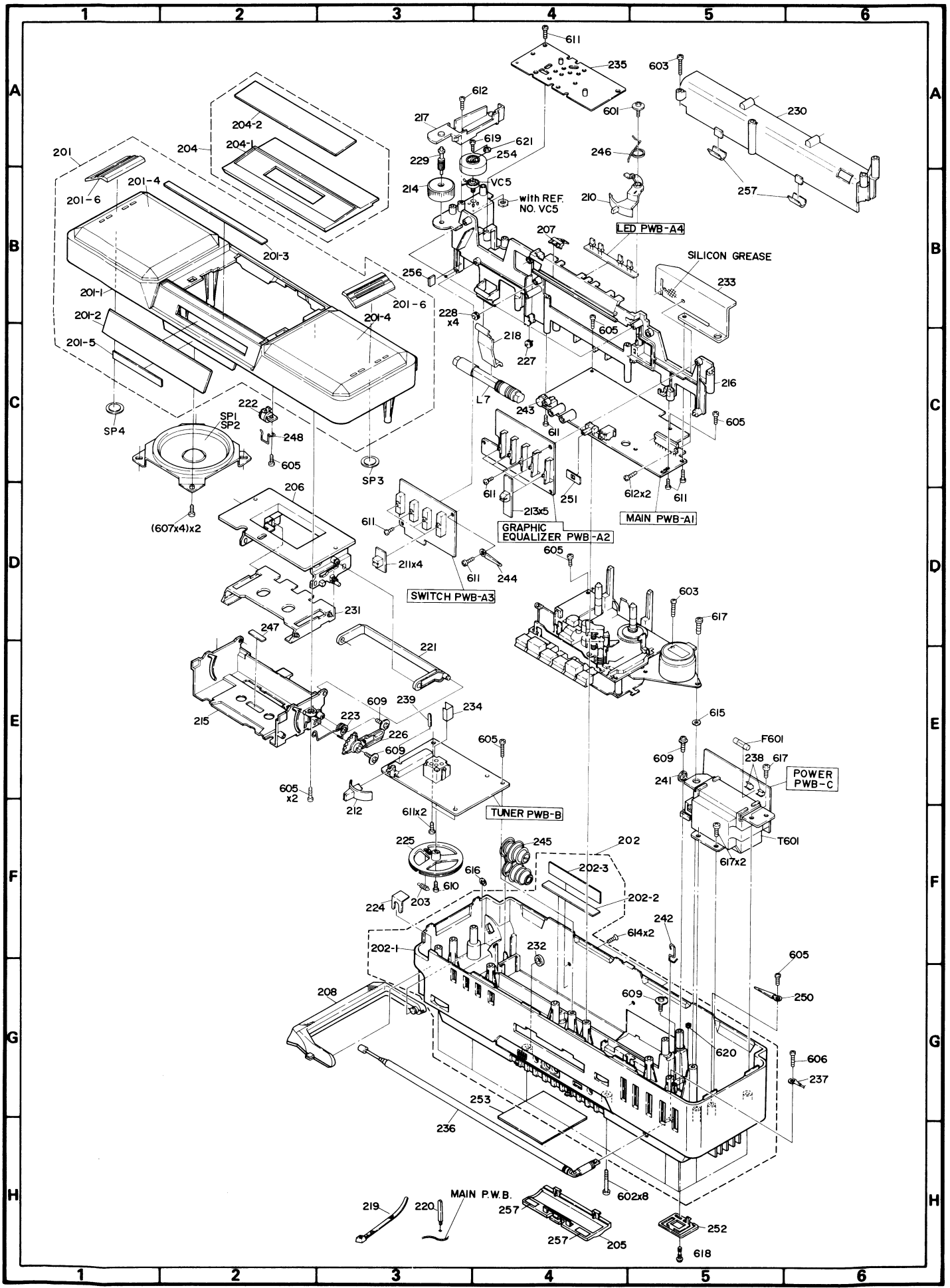


Figure 20 CABINET EXPLODED VIEW

REPLACEMENT PARTS LIST

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. NO.
3. PART NO.
4. DESCRIPTION

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

REF.NO.	PART NO.	DESCRIPTION	CODE
	INTEGRATED CIRCUITS		
IC1	VHiBA4402//-1	FM Front End,BA4402	A F
IC2	VHiAN7224//-1	FM IF/AM Circuit,AN7224	A H
IC3	VHiTA7343P/-1	PLL FM MPX.,TA7343P	A G
IC101	VHiBA3402//-1	Equalizer Amp.,BA3402	A G
IC103	VHiLA4508//-1	Power Amp.,LA4508	A M
IC201	VHiM51544AL-1	Record Amp.,M51544AL	A G
IC401	VHiBA3706//-1	APSS Circuit,BA3706	A L
	TRANSISTORS		
Q101~106	VS2SC2603-F-1	Silicon,NPN,2SC2603 F	A B
Q107,108	VS2SC2878B/-1	Silicon,NPN,2SC2878 B	A C
Q111	VS2SC1740SLNR1	Silicon,NPN,2SC1740 SLNR	A B
Q113,114	VS2SC1740SLNR1	Silicon,NPN,2SC1740 SLNR	A B
Q201,202	VS2SC2603-F-1	Silicon,NPN,2SC2603 F	A B
Q302	VS2SC3242-F-1	Silicon,NPN,2SC3242 F	A C
Q501	VS2SC3242-F-1	Silicon,NPN,2SC3242 F	A C
Q502	VSDTA144ES/-1	Digital Transistor,DTA144 ES	A B
Q504,505	VS2SA1115-F-1	Silicon,PNP,2SA1115 F	A B
Q506~509	VSDTC124S//-1	Digital Transistor,DTC124 S	A B
Q510~512	VS2SC2603-F-1	Silicon,NPN,2SC2603 F	A B
Q513	VS2SC3242-F-1	Silicon,NPN,2SC3242 F	A C
	DIODES		
D1	VHD1S2076RE-1	Silicon,1S2076RE	A A
D3~5	VHD1S2076RE-1	Silicon,1S2076RE	A A
D101,102	VHD1SS119//-1	Silicon,1SS119	A A
D110	VHPLT8P23D/-1	LED,Red,LT-8P23D	A B
D201/202	VHD1SS201//-1	Silicon,1SS201	A B
D402,403	VHD1SS119//-1	Silicon,1SS119	A A
D410	VHD1SS119//-1	Silicon,1SS119	A A
D501	VHEHZ15-2L/-1	Zener,15V,HZ15-2L	A A
D502	VHEHZ7B2L//-1	Zener,7.2V,HZ7B2L	A A
D503	VHPLT8P23D/-1	LED,Red,LT-8P23D	A B
D505	VHD1SS119//-1	Silicon,1SS119	A A
D507,508	VHPLT8P23D/-1	LED,Red,LT-8P23D	A B
D509,510	VHD1SS119//-1	Silicon,1SS119	A A
D601	VHD3G4B41//-1	Rectifier,3G4B41	A G
	FILTERS		
CF1	RFiLF0080AFZZ	Ceramic,FM IF,10.7MHz	A D
CF3	RFiLA0085AFZZ	Ceramic,AM IF,455kHz	A E
	TRANSFORMERS		
T1	RCiLi0324AFZZ	FM IF	A C
T2	RCiLi0312AFZZ	FM Detector	A C
T3	RCiLi0310AFZZ	AM IF	A C
⚠T601	RTRNP1237AFZZ	Power	A X

REF.NO.	PART NO.	DESCRIPTION	CODE
	COILS		
L1	RCiLA0620AFZZ	FM Band Pass Filter	A C
L2,3	RCiLB0672AFZZ	FM RF	A C
L6	RCiLA0556AFZZ	SW2 Antenna	A D
L7	RCiLA0804AFZZ	Bar Antenna,AM/SW1	A L
L8	RCiLB0625AFZZ	SW2 Oscillator	A C
L9	RCiLB0624AFZZ	SW1 Local Oscillation	A C
L10	RCiLB0623AFZZ	AM Local Oscillation	A C
L201	RCiLC0094AFZZ	6.8 mH	A D
L202	RCiLC0092AFZZ	6.8 mH	A C
L301	RCiLC0085AFZZ	Bias Oscillator	A C
L501	RCiLF0014AGZZ	47 μH,Choke	A B
	CONTROLS		
TC3	RTō-H1072AFZZ	Trimmer	A C
TC5,6	RTō-H1072AFZZ	Trimmer	A C
TC8	RTō-H1072AFZZ	Trimmer	A C
VC1~4	RVC-R0096AFZZ	Variable Capacitor With Trimmers	A N
VC5	RVC-Z0066AFZZ	Fine Tuning	A E
VR1	RVR-M0390AFZZ	5 kohms (B)	A B
VR101~104	RVR-Q0222AFZZ	100 kohm (B)	A E
VR105	RVR-Q0221AFZZ	20 kohms (B)	A E
VR501	RVR-M0391AFZZ	10 kohm (B)	A B
	ELECTROLYTIC CAPACITORS		
	(All electrolytic capacitors are ±20% type.)		
C12	RC-EZA336AF1C	33 μF,16V	A A
C15	RC-EZA106AF1C	10 μF,16V	A B
C20	RC-EZA476AF1A	47 μF,10V	A A
C25	RC-EZA107AF1A	100 μF,10V	A B
C26	RC-EZA475AF1E	4.7 μF,25V	A B
C40	RC-EZA105AF1H	1 μF,50V	A A
C41	RC-EZA335AF1H	3.3 μF,50V	A A
C42	RC-EZA105AF1H	1 μF,50V	A A
C44	RC-EZA475AF1E	4.7 μF,25V	A B
C47,48	RC-EZA105AF1H	1 μF,50V	A A
C49	RC-EZA227AF1A	220 μF,10V	A B
C74	RC-EZA106AF1C	10 μF,16V	A B
C75	RC-EZA476AF1A	47 μF,10V	A A
C105	RC-EZY476AF1A	47 μF,10V	A B
C106	RC-GZA476AF1A	47 μF,10V	A A
C109	RC-EZY105AF1H	1 μF,50V	A B
C110	RC-GZA105AF1H	1 μF,50V	A A
C111	RC-GZA107AF1A	100 μF,10V	A C
C112	RC-GZA226AF1C	22 μF,16V	A A
C119,120	RC-GZA475AF1E	4.7 μF,25V	A A
C127,128	RC-EZY106AF1C	10 μF,16V	A B
C129,130	RC-EZY107AF1A	100 μF,10V	A B
C149,150	RC-EZY105AF1H	1 μF,50V	A B
C153,154	RC-GZA105AF1H	1 μF,50V	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
C155,156	RC-GZA476AF1A	47 μF,10V	A A
C161,162	RC-GZA107AF1E	100 μF,25V	A B
C163,164	RC-GZV108AF1A	1000 μF,10V	A D
C167	RC-GZA227AF1C	220 μF,16V	A B
C168	RC-EZY106AF1C	10 μF,16V	A B
C169	RC-GZW338AF1E	3300 μF,25V	A G
C171	VCEALA1HC105M	1 μF,50V	A B
C180	RC-GZA104AF1H	0.1 μF,50V	A A
C182	RC-EZY106AF1C	10 μF,16V	A B
C183	RC-GZA334AF1H	0.33 μF,50V	A A
C185	RC-GZA105AF1H	1 μF,50V	A A
C186,188	RC-GZA107AF1A	100 μF,10V	A C
C203,204	RC-GZA475AF1E	4.7 μF,25V	A A
C207,208	RC-GZA475AF1E	4.7 μF,25V	A A
C209,210	RC-GZA476AF1A	47 μF,10V	A A
C219	RC-GZA107AF1E	100 μF,25V	A B
C220	RC-GZA476AF1A	47 μF,10V	A A
C221	RC-GZA105AF1H	1 μF,50V	A A
C225	RC-GZA476AF1A	47 μF,10V	A A
C302	RC-GZA227AF1A	220 μF,10V	A B
C401	RC-GZA107AF1A	100 μF,10V	A C
C402～405	RC-GZA474AF1H	0.47 μF,50V	A A
C408	RC-EZY106AF1C	10 μF,16V	A B
C409	RC-GZA105AF1H	1 μF,50V	A A
C502	RC-GZA106AF1E	10 μF,25V	A A
C506	RC-GZA107AF1C	100 μF,16V	A B
C508	RC-GZA107AF1E	100 μF,25V	A B
C509	RC-GZA336AF1C	33 μF,16V	A B
C510	RC-GZS225AF1H	2.2 μF,50V	A A

CAPACITORS

There are two types of capacitors available and they can be identified from each other by reading their Part Numbers.

• Ceramic type capacitor;

A symbol "C" or "K" is given at the 3rd digit of its Part Number like "VCC (or K)·····J."

• Semiconductor type capacitor;

A symbol "T" is given at the 3rd digit of its Part Number like "VCT·····J."

The capacitance error of each capacitor is indicated by the symbol given at the 13th digit of the Part Number as follows:"J" (±5%), "K" (±10%), "M" (±20%), "N" (±30%), "C" (±0.25 pF), "D" (±0.5 pF), "Z" (+80−20%).

(Tubular type ceramic capacitor is identified by the symbol MF of the part NO. VC00MF0000000; this MF does not mean the lead wire.)

C1	VCCSMF1HL100J	10 pF,50V	A A
C2,3	VCTYMF1HV472K	0.0047 μF,50V	A A
C4	VCCCMF1HH240J	24 pF (CH),50V	A A
C6	VCCCMF1HH150J	15 pF (CH),50V	A A
C7	VCCCPU1HH100J	10 pF (CH),50V	A A
C8	VCTYMF1HV152K	0.0015 μF,50V	A A
C9	VCCRPU1HH8R0D	8 pF (RH),50V	A A
C10	VCCCMF1HH3R9C	3.9 pF (CH),50V	A A
C11	VCCCMF1HH2R2C	2.2 pF (CH),50V	A A
C13,14	VCTYMF1CY223N	0.022 μF,16V	A A
C19	VCTYMF1EX103N	0.01 μF,25V	A A
C21,22	VCTYMF1CY223N	0.022 μF,16V	A A
C23	VCKYMF1HB221K	220 pF,50V	A A
C24	VCTYMF1CY223N	0.022 μF,16V	A A
C28	VCCSMF1HL470J	47 pF,50V	A A
C29,30	VCTYMF1CY223N	0.022 μF,16V	A A
C43	VCQSMA1HL102J	1000 pF,50V,Styrol	A B
C45,46	VCTYMF1CY223N	0.022 μF,16V	A A
C63	VCCCMF1HH5R6D	5.6 pF (CH),50V	A A
C64	VCTYMF1HV152K	0.0015 μF,50V	A A
C66	VCCCMF1HH130J	13 pF (CH),50V	A A
C67	VCKYMF1HB331J	330 pF,50V	A A
C68	VCCSMF1HL330J	33 pF,50V	A A
C70	VCCCMF1HH100J	10 pF (CH),50V	A A
C71	VCTYMF1HV472K	0.0047 μF,50V	A A
C72,73	VCTYMF1CY223N	0.022 μF,16V	A A
C76	VCCCMF1HH6R8D	6.8 pF (CH),50V	A A
C101,102	VCKYMF1HB471K	470 pF,50V	A A
C107,108	VCTYMF1EX103K	0.01 μF,25V	A A
C113,114	VCTYMF1EX153M	0.015 μF,25V	A A
C115,116	VCTYMF1EX682K	0.0068 μF,25V	A A
C117,118	VCKYMF1HB102K	0.001 μF,50V	A A
C121,122	VCKYMF1HB221K	220 pF,50V	A A
C131,132	VCTYMF1CY183M	0.018 μF,16V	A A
C133,134	VCTYMF1CY223M	0.022 μF,16V	A B
C135,136	VCTYMF1HV472K	0.0047 μF,50V	A A
C137,138	VCTYMF1EX153M	0.015 μF,16V	A A
C139,140	VCTYMF1HV392K	0.0039 μF,50V	A A
C141,142	VCTYMF1EX103K	0.01 μF,25V	A A
C143,144	VCKYMF1HB821K	820 pF,50V	A A
C145,146	VCTYMF1HV472K	0.0047 μF,50V	A A
C147,148	VCKYMF1HB331K	330 pF,50V	A A
C151,152	VCTYPA1EX104K	0.1 μF,25V	A B
C157,158	VCKYMF1HB102K	0.001 μF,50V	A A
C159,160	VCTYMF1EX103N	0.01 μF,25V	A A
C165,166	RC-QZA184AFYK	0.18 μF,50V,Mylar	A C
C172,173	VCTYMF1HV472K	0.0047 μF,50V	A A
C175,176	VCTYMF1EX153M	0.015 μF,25V	A A
C181	VCTYPA1EX473K	0.047 μF,25V	A A
C184	VCKYMF1HB221K	220 pF,50V	A A
C189	VCKYBT1HB271K	270 pF,50V	A A
C201,202	VCKYMF1HB471K	470 pF,50V	A A
C205,206	VCKYMF1HB681K	680 pF,50V	A A
C211,212	VCTYMF1EX562K	0.0056 μF,25V	A A
C213,214	VCTYMF1EX103K	0.01 μF,25V	A A
C215,216	VCKYMF1HB271K	270 pF,50V	A A
C223,224	VCKYMF1HB221K	220 pF,50V	A A
C227,228	VCTYPV1EX103M	0.01 μF,25V	A A
C303	VCTYPA1EX223K	0.022 μF,25V	A A
C304	VCKYMF1HB271K	270 pF,50V	A A
C305	VCQPKA2AA332J	0.0033 μF,100V, Polypropylene	A B
C306	VCTYPA1EX473K	0.047 μF,25V	A A
C307	VCKYMF1HB271K	270 pF,50V	A A
C308	VCKYMF1HB681K	680 pF,50V	A A
C406	VCTYMF1HV182K	0.0018 μF,50V	A A
C407	VCTYMF1CY223M	0.022 μF,16V	A B
C501	VCTYPA1EX223K	0.022 μF,25V	A A
C504	VCTYMF1CY223N	0.022 μF,16V	A A
C507	VCTYMF1EX103N	0.01 μF,25V	A A
C511	VCKYMF1HB102K	0.001 μF,50V	A A
C601～604	VCKZPV1HF103Z	0.01 μF,50V	A A

RESISTORS

(Unless otherwise specified, resistors are ±5%,carbon type.) (Tubular type carbon film resistor ±5% is identified the symbol MF of the part NO. VRD−MF0000000; this MF does not mean lead wire.)

	VRD-MF2EE000C	0 ohm,1/4W,Jumper	A A
R1	VRD-MF2EE391J	390 ohms,1/4W	A A
R4	VRD-MF2EE824J	820 kohms,1/4W	A A
R5	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R6	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R7	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R8	VRD-MF2EE680J	68 ohms,1/4W	A A
R9	VRD-MF2EE471J	470 ohms,1/4W	A A
R10	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R11	VRD-MF2EE471J	470 ohms,1/4W	A A
R12	VRD-MF2EE331J	330 ohms,1/4W	A A
R41	VRD-MF2EE102J	1 kohm,1/4W	A A
R42	VRD-MF2EE103J	10 kohm,1/4W	A A
R43	VRD-MF2EE224J	220 kohms,1/4W	A A
R44	VRD-MF2EE471J	470 ohms,1/4W	A A
R45,46	VRD-MF2EE332J	3.3 kohms,1/4W	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
R47,48	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R61	VRD-MF2EE101J	100 ohm,1/4W	A A
R62	VRD-MF2EE330J	33 ohms,1/4W	A A
R65	VRD-MF2EE221J	220 ohms,1/4W	A A
R82	VRD-ST2EE680J	68 ohms,1/4W	A A
R101,102	VRD-ST2CD101J	100 ohm,1/6W	A A
R103,104	VRD-ST2CD123J	12 kohms,1/6W	A A
R105,106	VRD-MF2EE274J	270 kohms,1/4W	A A
R107,108	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R109,110	VRD-ST2CD104J	100 kohm,1/6W	A A
R111,112	VRD-ST2CD392J	3.9 kohms,1/6W	A A
R113,114	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R115,116	VRD-MF2EE183J	18 kohms,1/4W	A A
R117	VRD-ST2CD561J	560 ohms,1/6W	A A
R118	VRD-ST2CD104J	100 kohm,1/6W	A A
R119	VRD-ST2CD102J	1 kohm,1/6W	A A
R120	VRD-ST2CD153J	15 kohms,1/6W	A A
R121,122	VRD-MF2EE123J	12 kohms,1/4W	A A
R123,124	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R125,126	VRD-MF2EE273J	27 kohms,1/4W	A A
R127,128	VRD-MF2EE102J	1 kohm,1/4W	A A
R129,130	VRD-MF2EE224J	220 kohms,1/4W	A A
R131,132	VRD-MF2EE272J	2.7 kohms,1/4W	A A
R133,134	VRD-MF2EE101J	100 ohm,1/4W	A A
R135,136	VRD-MF2EE183J	18 kohms,1/4W	A A
R137	VRD-MF2EE123J	12 kohms,1/4W	A A
R138	VRD-ST2CD123J	12 kohms,1/6W	A A
R139,140	VRD-MF2EE153J	15 kohms,1/4W	A A
R141,142	VRD-MF2EE822J	8.2 kohms,1/4W	A A
R143,144	VRD-MF2EE472J	4.7 kohms,1/4W	A A
R145,146	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R147,148	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R149,150	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R151,152	VRD-MF2EE223J	22 kohms,1/4W	A A
R153,154	VRD-MF2EE562J	5.6 kohms,1/4W	A A
R155,156	VRD-MF2EE392J	3.9 kohms,1/4W	A A
R157,158	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R159,160	VRD-MF2EE122J	1.2 kohms,1/4W	A A
R161,162	VRD-MF2EE394J	390 kohms,1/4W	A A
R163,164	VRD-ST2CD392J	3.9 kohms,1/6W	A A
R165	VRD-MF2EE271J	270 ohms,1/4W	A A
R166	VRD-ST2CD224J	220 kohms,1/6W	A A
R167,168	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R169,170	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R171,172	VRD-ST2CD102J	1 kohm,1/6W	A A
R173,174	VRD-ST2CD103J	10 kohm,1/6W	A A
R175,176	VRD-MF2EE223J	22 kohms,1/4W	A A
R177,178	VRD-MF2EE121J	120 ohms,1/4W	A A
R179	VRD-MF2EE271J	270 ohms,1/4W	A A
R180	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R181	VRD-ST2CD682J	6.8 kohms,1/6W	A A
R182	VRD-MF2EE102J	1 kohm,1/4W	A A
R183	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R184	VRD-MF2EE684J	680 kohms,1/4W	A A
R185	VRD-ST2CD270J	27 ohms,1/6W	A A
R186	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R187	VRD-ST2CD561J	560 ohms,1/6W	A A
R188	VRD-ST2CD101J	100 ohm,1/6W	A A
R189,190	VRD-MF2EE563J	56 kohms,1/4W	A A
R191,192	VRD-MF2EE222J	2.2 kohms,1/4W	A A
R198	VRD-MF2EE122J	1.2 kohms,1/4W	A A
R199	VRD-MF2EE560J	56 ohms,1/4W	A A
R201	VRD-MF2EE123J	12 kohms,1/4W	A A
R202	VRD-ST2CD123J	12 kohms,1/6W	A A
R207,208	VRD-MF2EE102J	1 kohm,1/4W	A A
R209	VRD-ST2CD684J	680 kohms,1/6W	A A
R210	VRD-ST2CD271J	270 ohms,1/6W	A A
R211,212	VRD-ST2CD473J	47 kohms,1/6W	A A
R213,214	VRD-MF2EE182J	1.8 kohms,1/4W	A A
R215,216	VRD-MF2EE332J	3.3 kohms,1/4W	A A
R217,218	VRD-MF2EE271J	270 ohms,1/4W	A A
R221,222	VRD-ST2CD103J	10 kohm,1/6W	A A
R225,226	VRD-ST2CD392J	3.9 kohms,1/6W	A A
R227,228	VRD-MF2EE122J	1.2 kohms,1/4W	A A
R230	VRD-MF2EE221J	220 ohms,1/4W	A A
R303	VRD-MF2EE820J	82 ohms,1/4W	A A
R305	VRD-ST2CD683J	68 kohms,1/6W	A A
R306	VRD-ST2CD273J	27 kohms,1/6W	A A
R307	VRD-ST2CD4R7J	4.7 ohms,1/6W	A A
R309,310	VRD-MF2EE102J	1 kohm,1/4W	A A
R311,312	VRD-MF2EE152J	1.5 kohms,1/4W	A A
R313	VRD-ST2CD332J	3.3 kohms,1/6W	A A
R314	VRD-ST2CD153J	15 kohms,1/6W	A A
R315,316	VRD-MF2EE101J	100 ohm,1/4W	A A
R401	VRD-ST2CD271J	270 ohms,1/6W	A A
R402,403	VRD-ST2CD224J	220 kohms,1/6W	A A
R404	VRD-ST2CD101J	100 ohm,1/6W	A A
R405	VRD-ST2CD563J	56 kohms,1/6W	A A
R406	VRD-MF2EE393J	39 kohms,1/4W	A A
R407	VRD-MF2EE102J	1 kohm,1/4W	A A
R408,409	VRD-MF2EE103J	10 kohm,1/4W	A A
R410	VRD-ST2CD473J	47 kohms,1/6W	A A
R411,412	VRD-MF2EE682J	6.8 kohms,1/4W	A A
R413	VRD-ST2CD223J	22 kohms,1/6W	A A
R504	VRD-ST2CD473J	47 kohms,1/6W	A A
R505	VRD-ST2CD224J	220 kohms,1/6W	A A
R506	VRD-ST2CD223J	22 kohms,1/6W	A A
R507	VRD-ST2CD822J	8.2 kohms,1/6W	A A
R508	VRD-ST2CD472J	4.7 kohms,1/6W	A A
R509	VRD-ST2CD473J	47 kohms,1/6W	A A
R510	VRD-ST2CD224J	220 kohms,1/6W	A A
R511	VRD-ST2CD681J	680 ohms,1/6W	A A
R512	VRD-ST2CD473J	47 kohms,1/6W	A A
R514	VRD-ST2CD224J	220 kohms,1/6W	A A
R516,517	VRD-ST2CD103J	10 kohm,1/6W	A A
R518	VRD-MF2EE104J	100 kohm,1/4W	A A
R519	VRD-ST2CD122J	1.2 kohms,1/6W	A A
R520	VRD-ST2CD561J	560 ohms,1/6W	A A
R521	VRD-ST2CD471J	470 ohms,1/6W	A A
R522	VRD-ST2CD561J	560 ohms,1/6W	A A
R523,524	VRD-ST2CD182J	1.8 kohms,1/6W	A A
R525	VRD-ST2CD104J	100 kohm,1/6W	A A
R526	VRD-ST2CD102J	1 kohm,1/6W	A A
R527	VRD-ST2CD473J	47 kohms,1/6W	A A
R528	VRD-MF2EE103J	10 kohm,1/4W	A A
R529	VRD-ST2CD222J	2.2 kohms,1/6W	A A
R531	VRD-ST2CD152J	1.5 kohms,1/6W	A A

OTHER CIRCUITRY PARTS

BI101~104	QCNWN0036AFZZ	Connector Assembly, 3-4-8-15Pin	A K
BI105~107	QCNWN0188AFZZ	Connector Assembly,3-3 Pin	A E
CNP101	QCNCM584CAFZZ	Plug,3Pin	A A
CNP102	QCNCM586EAFZZ	Plug,5Pin	A B
CNP103	QCNCM233DAFZZ	Plug,4Pin	A C
CNP501	QCNCM592LAFZZ	Plug,11Pin	A C
CNP601	QCNCM095BAFZZ	Plug,2Pin	A B
CNS1	QCNCM656FAFZZ	Plug,6Pin	A B
CNS101/102	QCNWN0035AFZZ	Connector Assembly,3/5 Pin	A G
CNS103	QCNWN0187AFZZ	Connector Assembly,4Pin	A G
CNS501	QCNWN0034AFZZ	Connector Assembly,11Pin	A F
CNS601	QCNWN0032AFZZ	Connector Assembly,2Pin	A B
COR1	RCŌRF0053AFZZ	Core	A B
⚠F601	QFS-C202GAFNi	Fuse,T2A	A D
J101	QJAKE0145AFZZ	Socket,Line,White	A B
J102	QJAKE0146AFZZ	Socket,Line,Red	A B
J103	QJAKE0157AFZZ	Socket,Mic.	A B

REF.NO.	PART NO.	DESCRIPTION	CODE
J105	QJAKJ0165AFZZ	Socket,Headphone	A E
M501	RMŌTV0238AF01	Motor with Pulley	A V
⚠SO601	QSŌCA0186AFZZ	Socket,AC	A G
SOL501	RPLU-0182AFZZ	Solenoid	A G
SP1,2	VSP0010PBC74A	Speaker,Woofer	A U
SP3,4	RALMB0067AFZZ	Speaker,Tweeter	A B
SW1	QSW-B0183AFZZ	Switch,Lever Type	A M
SW51	QSW-S0518AFZZ	Switch,Slide Type	A D
SW101	QSW-S0515AFZZ	Switch,Slide Type	A E
SW102	QSW-S0513AFZZ	Switch,Slide Type	A E
SW103	QSW-S0514AFZZ	Switch,Slide Type	A E
SW104	QSW-S0267AFZZ	Switch,Slide Type	A D
SW105	QSW-S0516AFZZ	Switch,Slide Type	A E
SW501	QSW-F0207AFZZ	Switch,Skeleton Type	A D
SW502	QSW-F0216AFZZ	Switch,Leaf Type	A B
SW503	QSW-F0215AFZZ	Switch,Leaf Type	A E
SW504	QSW-F0207AFZZ	Switch,Skeleton Type	A D

MECHANICAL PARTS

1	JKNBM0657AFSB	Knob,Pause	A C
2	JKNBM0658AFSB	Knob,Fast Forward	A C
3	JKNBM0659AFSB	Knob,Play	A C
4	JKNBM0661AFSB	Knob,Stop	A C
5	JKNBM0662AFSB	Knob,Rewind	A C
6	JKNBM0663AFSB	Knob,Record	A C
7	LANGF1004AFZZ	Bracket,Flywheel	A C
8	LANGF1005AFZZ	Bracket,Motor	A C
9	LANGF1006AFZZ	Bracket,Record Interlocking	A C
10	LANGF1015AFZZ	Bracket,Stregthen	A B
11	LANGF1018AFZZ	Sensor Plate,Deck1	A B
12	LBSHZ0086AFZZ	Cushion,Motor	A A
13	LCHSM0574AFZZ	Main Chassis	—
14	LCHSS0218AFZZ	Sub Chassis	A F
15	LDAiH0067AFZZ	Head Base	A B
16	LHLDW1075AFZZ	Nylon Band,60mm	A A
17	LRTNP0058AFZZ	Stopper	A A
18	LRTNP0059AF00	Retaining Ring	A A
19	LRTNP0060AFZZ	Stoper	A A
24	MCAMP0078AFZZ	Cam,Auto Stop	A A
25	MLEVF1823AFZZ	Lever,Stop,Deck1	A A
26	MLEVF1824AFZZ	Lever,Stop,Deck2	A A
27	MLEVF1825AFZZ	Lever,Stop Interlocking	A A
28	MLEVF1826AFZZ	Lever,Play Release	A B
29	MLEVF1827AFZZ	Lever,Play	A C
30	MLEVF1828AFZZ	Lever,Trigger	A B
31	MLEVF1829AFZZ	Lever,Record	A A
32	MLEVF1830AFZZ	Lever,Rewind	A B
33	MLEVF1831AFZZ	Lever,Fast Forward	A B
34	MLEVF1832AFZZ	Lever,Stop	A B
35	MLEVF1833AFZZ	Lever,Pause	A B
36	MLEVF1834AFZZ	Lever,Select	A B
37	MLEVF1845AFZZ	Lever,Prevention	A B
38	MLEVF1872AFZZ	Lever,Main Lock	A C
39	MLEVF1873AFZZ	Lever,APSS Lock	A C
40	MLEVF1875AFZZ	Lever,Record Conversion	A C
41	MLEVF1876AFZZ	Lever,Active Prevention	A A
42	MLEVP0502AFZZ	Lever,Pause Lock	A B
43	MLEVP0654AFZZ	Lever,Fast Forward/ Rewind	A C
44	MLEVP0655AFZZ	Guide,Sensor	A A
45	MLEVP0656AFZZ	Tip,Sensor	A A
46	MLEVP0657AFZZ	Lever,Lock Release	A C
47	MLEVP0658AFZZ	Lever,Brake	A C
48	MLEVP0660AFZZ	Lever,Eject	A B
49	MLEVP0661AFZZ	Lever,APSS	A C
50	MLEVP0684AFZZ	Lever,Mechanism Mode Selector	A C
51	MLEVP0685AFZZ	Lever,Erase Prevention	A A
52	MSPRC0584AFFJ	Spring,Agimth Adjust.	A A
53	MSPRC0585AFFJ	Spring,Luch	A A
54	MSPRC0586AFFJ	Spring,Back Tension,Deck1	A A
55	MSPRC0587AFFJ	Spring,Back Tension,Deck2	A A
56	MSPRC0591AFFJ	Spring,Detent	A A
57	MSPRD0702AFFJ	Spring,Pinch Roller	A A
58	MSPRD0703AFFJ	Spring,Over Stroke	A A
59	MSPRD0704AFFJ	Spring,Brake Leve	A A
60	MSPRD0705AFFJ	Spring,Play Lever Return	A A
61	MSPRD0706AFFJ	Spring,Trigger Lever	A A
62	MSPRD0707AFFJ	Spring,Play Gear Lever, Deck1	A A
63	MSPRD0708AFFJ	Spring,Play Gear Lever, Deck2	A A
64	MSPRD0709AFFJ	Spring,Record Lever	A A
65	MSPRD0710AFFJ	Spring,Fast Forward/ Rewind Lever	A A
66	MSPRD0711AFFJ	Spring,Stop Lever	A A
67	MSPRD0712AFFJ	Spring,Pause Lever	A A
68	MSPRD0713AFFJ	Spring,Select Lever	A A
69	MSPRD0714AFFJ	Spring,Lock Release Lever	A A
70	MSPRD0717AFFJ	Spring,Prevention Lever	A A
71	MSPRD0746AFFJ	Spring,Record Interlocking	A A
72	MSPRD0748AFFJ	Spring,APSS Lever	A A
73	MSPRP0432AFFJ	Spring,Cassette Retainer	A B
74	MSPRT1199AFFJ	Spring,Lock Lever	A A
75	MSPRT1201AFFJ	Spring,Eject Lever	A A
76	MSPRT1202AFFJ	Spring,Fast Forward/ Rewind Roller	A A
77	MSPRT1203AFFJ	Spring,Sensor	A A
78	MSPRT1218AFFJ	Spring,APSS Lock Lever	A A
79	NBLTH0110AFZZ	Belt,Drive	A C
80	NBRGC0119AFZZ	Capstan Metal	A A
81	NDAiR0196AFZZ	Slip Roller	A E
82	NDAiR0197AFZZ	Take-up,Reel	A E
83	NDAiR0198AFZZ	Cap,Take-up Reel	A A
84	NDAiR0199AFZZ	Cap,Supply Reel	A A
85	NDAiR0200AFZZ	Supply Reel	A B
86	NFLYC0137AFZZ	Flywheel	A F
87	NGERH0192AFZZ	Gear,Fast Forward/Rewind	A A
88	NiDR-0092AFZZ	Lever,Play Gear,Deck1	A C
89	NiDR-0093AFZZ	Lever,Play Gear,Deck2	A C
90	NRŌLW0034AFZZ	Roller,Fast Forward/ Rewind	A E
91	NRŌLY0077AFZZ	Pinch Roller,Deck1	A D
92	NRŌLY0078AFZZ	Pinch Roller,Deck2	A D
93	PCŌVS3102AFZZ	Cover,Head Shield	A B
94	RHEDA0134AFZZ	Head,Erase	A G
95	RHEDF0098AFZZ	Head,Playback	A M
96	RHEDH0148AFZZ	Head,Record/Playback	A M
97	LANGF1021AFZZ	Bracket,Switch	A C
98	MSPRD0763AFFJ	Spring,Brake	A B
99	MSPRD0764AFFJ	Spring,Brake	A A
100	PSPAD0050AFFW	Spacer,Head	A B
501	LX-BZ0451AFFD	Screw,ϕ2×6mm	A A
502	LX-BZ0559AFFD	Screw,ϕ2.6×9mm	A B
503	LX-BZ0566AFFD	Screw,ϕ2×4mm	A A
504	LX-WZ1120AFZZ	Washer,ϕ2.1×ϕ4×0.13mm	A A
505	XAPSN17P02000	Screw,ϕ1.7×2mm	A A
506	XBPSD20P05JS0	Screw,ϕ2×5mm	A A
507	XBPSD20W03000	Screw,ϕ2×3mm	A A
508	XBPSD20W10XS0	Screw,ϕ2×10mm	A A
509	XBPSD26P04000	Screw,ϕ2.6×4mm	A A
510	XHPSD20W12XS0	Screw,ϕ2×12mm	A A
511	XHPSD20W17XS0	Screw,ϕ2×17mm	A A
512	XHPSD26P14000	Screw,ϕ2.6×14mm	A A
513	XJBSD20P10000	Screw,ϕ2×10mm	A A
514	XREUJ15-04000	Stop Ring,E-Type,ϕ1.5×0.4mm	A A
515	XWHJZ26-01340	Washer,ϕ2.6×ϕ4×0.13mm	A A

REF.NO.	PART NO.	DESCRIPTION	CODE
516	XWHJZ29-05050	Washer, ϕ2.9×ϕ5×0.5mm	A A
517	XWHJZ31-02550	Washer, ϕ3.1×ϕ5×0.25mm	A A
518	LX-HZ0077AFZZ	Screw, ϕ2.6×10mm	A A
519	XBPSD20P08000	Screw, ϕ2×8mm	A A
520	XJPSD26P06000	Screw, ϕ2.6×6mm	A A
521	LX-WZ9064AFZZ	Washer, ϕ1.5×ϕ3.8×0.5mm	A A
522	LX-WZ1108AFZZ	Washer, ϕ2.1×4.3×4.3×0.5 mm	A A
523	LX-HZ0079AFZZ	Screw, ϕ2.6×12mm	A A
524	LSTWC2403AFZZ	Stop Ring, ϕ2.4mm	A A
525	XAPSN17P03000	Screw, ϕ1.7×3mm	A A
526	LX-WZ1121AFZZ	Washer, ϕ2.1×ϕ4×0.13mm	A A

CABINET PARTS

201	CCAB-1528AF01	Front Cabinet Assembly	B A
201-1	————	Front Cabinet	—
201-2	HDALP0644AFSA	Dial Scale	A K
201-3	HiNDP1596AFSA	Indication Plate,LED	A C
201-4	HPNC-0229AFSA	Punching Metal	A F
201-5	PFLT-0706AFZZ	Felt,100×10mm	A A
201-6	HDECQ0286AFSA	Decoration Plate,Tweeter	A F
202	CCABB2144AF01	Rear Cabinet Assembly	A V
202-1	————	Rear Cabinet	—
202-2	PFLT-0707AFZZ	Felt,130×14mm	A A
202-3	PFLT-0708AFZZ	Felt,130×47mm	A B
203	CSPRT0750AF16	Dial Cord Assembly	A C
204	GCōVA1679AFSA	Cassette Holder Assembly	A M
204-1	————	Cover,Cassette Holder	—
204-2	HPNLH1156AFSA	Tranparent,Cassette Holder Cover	A G
205	GFTAB1171AFSA	Battery Compartment	A C
206	GFTAC1552AFSB	Cassette Holder	A F
207	HSSND0392AFSA	Dial Pointer	A B
208	JHNDP1070AFSA	Handle	A H
210	JKNBM0672AFSB	Lever,Mechanism Mode	A B
211	JKNBM0679AFSA	Knob,Slide Switch	A B
212	JKNBM0680AFSA	Knob,Lever	A B
213	JKNBM0681AFSA	Knob,Slide Volume	A B
214	JKNBN0573AFSA	Knob,Tuning	A C
215	LHLDF1358AFSB	Holder,Rail	A F
216	LHLDF1359AFZZ	Frame	A K
217	LHLDF1360AFZZ	Holder,Tuning Knob	A B
218	LHLDF1362AFZZ	Holder,Bar Antenna	A D
219	LHLDW1075AFZZ	Nylon Band,60mm	A A
220	LHLDW3074AFZZ	Wire Holder	A A
221	MARMP0035AFSA	Arm,Fulcrum	A F
222	MLiFP0034AFZZ	Damper	A C
223	MSPRD0719AFFJ	Spring,Cassette Holder	A B
224	MSPRP0447AFFW	Stopper	A E
225	NDRM-0175AFZZ	Drum	A D
226	NGERH0193AFSA	Gear,Damper	A C
227	NPLYB0050AFZZ	Pulley,Dial Stringing	A A
228	NPLYB0051AFZZ	Pulley,Dial Stringing	A A
229	NSFTD0251AFFW	Shaft,Tuning Knob	A C
230	PCASB0066AFZZ	Case,Battery	A G
231	PCASZ0054AFSA	Adaptor,Cassette Tape	A E
232	PCUSU0304AFZZ	Cushion,Built-in Mic.	A A
233	PRDAR0450AFFW	Heat Sink	A E
234	PSLDM3318AFFW	Shield Plate	A A
235	PSLDM9110AFZZ	Shield Plate,Tuner	A D
236	QANTR0144AFSA	Rod Antenna	A N
237	QCNWN0201AFZZ	Rod Antenna Lead	A B
238	QFSHD2051AFZZ	Fuse Holder	A A
239	QLUGP0109CEFW	Lug	A A
241	QTANB9144AFFW	Battery Spring,-	A B
242	QTANB9145AFFW	Battery Terminal,+	A B
243	RMiCC0096AFZZ	Built-in Microphone	A E
244	LHLDW3056AFZZ	Wire Holder	A A
245	MSPRC0608AFFJ	Battery Spring,+/-	A C
246	MSPRD0747AFFJ	Spring,Mechanism Mode	A C
247	TLABZ0241AFZZ	Mirror Plate	A A
248	MSPRK0081AFZZ	Spring,Damper Retainer	A C
250	LHLDW9003CEZZ	Wire Holder	A A
251	PFLT-0705AFZZ	Felt,Knob	A A
252	GCōVH1179AFSJ	Cover,AC Power Supply Socket	A B
253	HiNDP1597AFSA	Label,Specifications	A C
254	JKNBK0354AFSA	Knob,Fine Tuning	A C
256	PCUSG0128AF00	Cushion	A A
257	PFLT-0504AF00	Felt	A A
601	LX-BZ0308AFFD	Screw, ϕ3×6.5mm	A A
602	LX-CZ0011AF00	Screw, ϕ3×65mm	A A
603	LX-CZ0017AFFD	Screw, ϕ3×25mm	A A
605	LX-CZ0052AFFD	Screw, ϕ3×10mm	A A
606	LX-CZ0053AFFD	Screw, ϕ3×12mm	A A
607	LX-CZ0055AFFD	Screw, ϕ4×10mm	A A
609	LX-JZ0034AFFD	Screw, ϕ3×8mm	A A
610	XBPSD26P06J00	Screw, ϕ2.6×6mm	A A
611	XCBSD30P08000	Screw, ϕ3×8mm	A A
612	XCBSD30P10000	Screw, ϕ3×10mm	A A
614	XCSSF30P12000	Screw, ϕ3×12mm	A A
615	XWHFZ52-10130	Washer, ϕ5.2×ϕ13×1mm	A A
616	XRESE60-08120	Stop Ring,E-Type, ϕ6×ϕ12×0.8mm	A A
617	XCTSD40P10000	Screw, ϕ4×10mm	A A
618	LX-BZ0322AFFF	Screw,	A A
619	XBBSD20P06000	Screw, ϕ2×6mm	A A
620	XNESD20-16000	Nut, ϕ2×1.6mm	A A
621	XWSSD20-05000	Washer, ϕ2×0.5mm	A A

ACCESSORIES/PACKING PARTS

⚠	QACCZ0059AF00	AC Power Supply Cord	A G
⚠	QACCZ0060AF00	AC Power Supply Cord	A K
⚠	QPLGA0253AFZZ	AC Plug Adaptor	A E
	RTPEK0101AFZZ	Cassette Tape	A K
	SPAKA1602AFZZ	Packing Add,Left	A D
	SPAKA1603AFZZ	Packing Add,Right	A D
	SPAKC3912AFZZ	Packing Case	A K
	SPAKP0682AFZZ	Polyethylene Bag,Unit	A C
	SPAKX1740AFZZ	Protector Pad,Cassette Hoder	A B
	SSAKA0024AFZZ	Polyethylene Bag,Accesory	A A
	TCAUA0178AFZZ	Caution Label,AC	A A
	TGANE1121AFZZ	Warranty Card	A C
	TiNSZ0911AFZZ	Operation Manual	A K
	TLABZ0864AFZZ	Label,Feature	A E
	TLABZ0903AFZZ	Caution,Cassette Compartment	A C
	UBATU0010AGZZ	Battery	A C